



Pan Malaria CELISA

Enzyme Immunoassay for the detection of specific IgG Ab against Malaria

It has been known since the middle of the last century that individuals infected with malaria develop a vigorous antibody response which may last for several weeks, months, or even years. This observation was exploited in the early sixties to develop serological immunoassays based on whole malarial parasites (IFA technique) or purified native antigens (RIA and ELISA).

Malaria antibody assays have limited use in diagnosis of acute malaria but have been extensively used for screening of blood bank supplies (to prevent blood transfusion transmission but also to limit wastage of valuable blood donations from returned travellers).

However the main value of these assays is epidemiological, that is in monitoring malaria control and eradication schemes. Serological surveys provide a valuable indication of malaria endemicity in a particular region or even country. Serology can also be used to identify and map “hotspots” of transmission during eradication campaigns

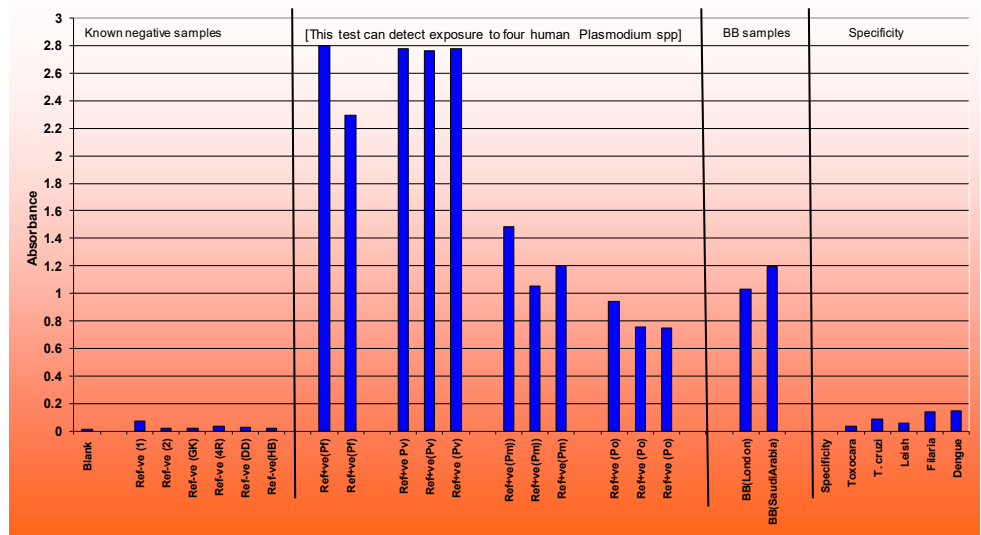
In 2002 Cellabs released the world’s first recombinant antigen-based serology assay for malaria, the Pan Malaria CELISA, which uses a cocktail of recombinant malaria antigens combined with a monoclonal antibody indicator. The resulting assay is highly sensitive and detects antibodies to the four main species of human malaria, *P.falciparum*, *P.vivax*, *P. malariae*, and *P.ovale*.

The CELISA has proven to be invaluable for blood bank screening* in non-endemic and hypoendemic areas as a means of limiting wastage of valuable blood donations. However it is also an ideal, high throughput method for assessing transmission of malaria in those countries moving towards reduction, eradication and malaria-free status.

Advantages

- * Unique cocktail of immunodominant plasmodial antigens ensure high sensitivity
- * Detects antibodies against 4 major species of human malaria
- * Extensively used for blood bank screening*
- * Ideal for use in low-transmission settings and for monitoring reduction and eradication programmes
- * Manufactured to current QMS ISO13485 Standard ensures high quality and reproducibility

Performance of Pan Malaria IgG CELISA



*For blood banking use in Australia please contact Cellabs for further details

Ordering Information

Product Code: KMC3

Available as a 192 Test Kit

Contact Cellabs for more information regarding our worldwide distribution network or for direct sales

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